

ABSTRACT OF THE DISCLOSURE**FLIGHTLESS ROCK AUGER FOR USE WITH PRESSURE DRILLS WITH QUICK
ATTACHMENT AND METHOD OF USE**

5 A flightless rock auger is used for drilling postholes
through rock with the use of hydraulic pressure and at slow
revolution per minute. The rock auger is used in combination
with a conventional flighted auger used for drilling postholes
in dirt and clay. During a posthole drilling operation, the rock
10 auger is substituted for a conventional flighted auger as needed
for drilling through and removing rock or other hard material
such as concrete from the posthole. The rock auger is designed
for use at very low revolutions per minute and can function
utilizing only the weight of the auger; however, the rock auger
15 is designed for use with pressure drilling units as well for
cutting a circular hole through the rock and forming a plug which
is to be lodged in the cavity of the rock auger cylinder to be
removed from the posthole. The quick connection enables the
shaft of a pressure drill unit to engage the flightless auger to
20 be quickly substituted for the rock auger to facilitate fast
removal of soft dirt from the posthole. A pilot drill bit can
be disposed within the cutting head for extending outwardly pass
the cutting edge thereof for starting the hole, breaking up rock,
and holding the auger in position during the drilling operation.
A portion of the cylindrical body can be removed to allow quick
25 clearance of the plug.